

What Is Claimed Is:

Having this described our invention, what we claim as new, and desire to secure by Letters Patent is:

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2 *Sub*  
3 *a1* 1. A white point adjusting method for adjusting an  
4 achromatic color level to be displayed on a liquid  
5 crystal module for an input video signal including a  
6 plurality of color signals, comprising:  
7 a first step of setting a white point by deciding an  
8 offset quantity of at least one color signal from a  
9 highest gray level for each color temperature;  
10 a second step of setting an offset quantity of the  
11 color signal in a direction of converging a halftone  
12 white point for each color temperature set in the first  
13 step; and  
14 a third step of adjusting chromaticity on a screen of  
15 the liquid crystal module by adding the offset quantity  
decided in the first step and the offset quantity set in  
the second step to the input video signal.

1 2. The white point adjusting method according to claim 1,  
2 wherein said input video signal is composed of R, G and B  
3 color signals, the white point setting in the first step  
4 is executed by using a prescribed color temperature as a  
5 default value, and luminance of the R and G color signals  
6 is reduced when a color temperature is set to a high  
7 temperature side with respect to the prescribed color  
8 temperature.

1 3. The white point adjusting method according to claim 2,  
2 the method further comprising:  
3 a step of adjusting luminance of the entire input

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1 by a driver for driving the display panel, and the  
2 adjusting value is set on the basis of a set value when  
3 the contrast adjustment is carried out.

1 8. A white point adjusting apparatus for adjusting an  
2 achromatic color level for an input video signal  
3 including a plurality of color signals, and displaying an  
4 adjusted image on a liquid crystal display module,  
5 comprising:

6 a first reference table for setting a white point by  
7 deciding an offset quantity of at least one color signal  
8 from a highest gray level for each color temperature; and

9 a second reference table for setting an offset  
10 quantity of the color signal to converge a halftone white  
11 point for each color temperature set by the first  
12 reference table,

13 wherein the offset quantities set by the first and  
14 second reference tables are added to the input video  
15 signal.

1 9. The white point adjusting apparatus according to claim  
2 8, wherein said first reference table is constituted to  
3 increase blue luminance in relative fashion when the  
4 color temperature is set to a high temperature side.

1 10. The white point adjusting apparatus according to  
2 claim 8,

3 further comprising:

4 an inverter for adjusting a change of luminance on  
5 the liquid crystal display module on the basis of the  
6 offset quantity set by the first reference table.



[illegible]